

1/10

FP Receptor Variant VAR-1

```
atgtccatga acaattccaa acagctagtg ttcctgcag ctgcgcttct ttcaaacaca 61
acctgccaga cggaaaaccg gctttccgta tttttttcag taatcttcat gacagtggga 121
atcttgtcaa acagccttgc catcgccatt ctcatgaagg catatcagag atttagacag 181
aagtccaagg catcgtttct gcttttgcc agcggcctgg taatcactga tttctttggc 241
catctcatca atggagccat agcagtattt gtatatgctt ctgataaaga atggatccgc 301
tttgaccaat caaatgtcct ttgcagtatt tttggtatct gcatggtgtt ttctggtctg 361
tgcccacttc ttctaggcag tgtgatggcc attgagcggg gtattggagt cacaaaacca 421
atatttcatt ctacgaaaat tacatccaaa catgtgaaaa tgatgttaag tgggtgtgtgc 481
ttgtttgctg ttttcatagc tttgctgccc atccttggac atcgagacta taaaattcag 541
gcgtcgagga cctggtgttt ctacaacaca gaagacatca aagactggga agatagattt 601
tatcttctac ttttttcttt tctggggctc ttagcccttg gtgtttcatt gttgtgcaat 661
gcaatcacag gaattacact tttaagagtt aaatttaaaa gtcagcagca cagacaaggc 721
agatctcatc atttggaat ggtaatccag ctccctggcg taatgtgtgt ctctgtatt 781
tgttggagcc catttctggg atacagaata atattgaatg ggaaagagaa atataaagta 841
tatgaagagc aaagtgattt cttacatagg ttacaatggc caacattgga aTAAatggaa 901
atcattctct ggaaacctgt gaaacaacac tttttgctct ccgaatggca acatggaatc 961
aaatcttaga tccttgggta tatattcttc tacgaaaggc tgtccttaag aatctctata 1021
agcttgccag tcaatgctgt ggagtgcatt tcatcagctt acatatttgg gagcttagtt 1081
ccattaaaaa ttccttaaag gttgctgcta tttctgagtc accagttgca gagaaatcag 1141
caagcaccta g
```

FIGURE 1

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FP Receptor Variant VAR-2

```
atgtccatga acaattccaa acagctagtg tctcctgcag ctgcgcttct ttcaaacaca 61
acctgccaga cggaaaaccg gctttccgta tttttttcag taatcttcat gacagtggga 121
atcttgtaaa acagccttgc catcgccatt ctcataagg catatcagag atttagacag 181
aagtccaagg catcgtttct gcttttggcc agcggcctgg taatcactga tttctttggc 241
catctcatca atggagccat agcagtattt gtatatgctt ctgataaaga atggatccgc 301
tttgaccaat caaatgtcct ttgcagtatt tttgggtatct gcatgggtgtt ttctgggtctg 361
tgcccacttc ttctaggcag tgtgatggcc attgagcggg gtattggagt cacaaaacca 421
atatcttcatt ctacgaaaat tacatccaaa catgtgaaaa tgatgttaag tgggtgtgtgc 481
ttgtttgctg ttttcatagc tttgctgccc atccttggac atcgagacta taaaattcag 541
gcgtcgagga cctgggtgtt ctacaacaca gaagacatca aagactggga agatagattt 601
tatcttctac ttttttcttt tctggggctc ttagcccttg gtgtttcatt gttgtgcaat 661
gcaatcacag gaattacact tttaagagtt aaatttaaaa gtcagcagca cagacaaggc 721
agatctcatc atttggaat ggtaatccag ctctggcgga taatgtgtgt ctctgtatt 781
tggtggagcc catttctgaa aatagaagga aaaataaaag tcacaTGAgT gaaggagaaa 841
cagaacgcaa ggggtgaaaac aaggcaatta gggcagcaga aagctgggtg tatgaggggtg 901
aagagaggca ctctcatgtt ttgggaactc tggttgaaag gttacaatgg ccaacattgg 961
aataaatgga aatcattctc tggaaacctg tgaacaaca ctttttgctc tccgaatggc 1021
aacatggaat caaatcttag atccttgggt atatattctt ctacgaaagg ctgtccttaa 1081
gaatctctat aagcttgcca gtcaatgctg tggagtgcac gtcacagct tacatatttg 1141
ggagcttagt tccattaaaa attccttaaa ggttgctgct atttctgagt caccagttgc 1221
agagaaatca gcaagcacct ag
```

FIGURE 2

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FP Receptor Variant VAR-3

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atgtccatga acaattccaa acagctagtg tctcctgcag ctgcgcttct ttcaaacaca 61
acctgccaga cggaaaaccg gctttccgta tttttttcag taatcttcat gacagtggga 121
atcttgctaa acagccttgc catcgccatt ctcatgaagg catatcagag atttagacag 181
aagtccaagg catcgtttct gcttttggcc agcggcctgg taatcactga tttctttggc 241
catctcatca atggagccat agcagtattt gtatatgctt ctgataaaga atggatccgc 301
tttgaccaat caaatgtcct ttgcagtatt tttggtatct gcatggtgtt ttctggtctg 361
tgcccacttc ttctaggcag tgtgatggcc attgagcggg gtattggagt cacaaaacca 421
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ttgtttgctg ttttcatagc tttgctgccc atccttggac atcgagacta taaaattcag 541
gcgtcgagga cctggtgttt ctacaacaca gaagacatca aagactggga agatagattt 601
tatcttctac ttttttcttt tctggggctc ttagcccttg gtgtttcatt gttgtgcaat 661
gcaatcacag gaattacact tttaagagtt aaatttaaaa gtcagcagca cagacaaggc 721
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tgaaggagaa acagaacgca aggggtgaaaa caaggcaatt agggcagcag aaagctggtg 961
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gctgtcctta agaatctcta taagcttgcc agtcaatgct gtggagtgc tgtcatcagc 1221
ttacatattt gggagcttag ttccattaaa aattccttaa aggttgctgc tatttctgag 1281
tcaccagttg cagagaaatc agcaagcacc tag

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FIGURE 3

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FP Receptor Variant VAR-4

```

atgtccatga acaattccaa acagctagtg tctcctgcag ctgcgcttct ttcaaacaca 61
acctgccaga cggaaaaccg gctttccgta tttttttcag taatcttcat gacagtggga 121
atcttgtcaa acagccttgc catcgccatt ctcatgaagg catatcagag atttagacag 181
aagtccaagg catcgtttct gcttttggcc agcggcctgg taatcactga tttctttggc 241
catctcatca atggagccat agcagtattt gtatatgctt ctgataaaga atggatccgc 301
tttgaccaat caaatgtcct ttgcagtatt tttggtatct gcatgggtgtt ttctgggtctg 361
tgcccacttc ttctaggcag tgtgatggcc attgagcggg gtattggagt cacaaaacca 421
atatttcatt ctacgaaaat tacatccaaa catgtgaaaa tgatgttaag tgggtgtgtgc 481
ttgtttgctg ttttcatagc tttgctgccc atccttggac atcgagacta taaaattcag 541
gcgtcgagga cctgggtgtt ctacaacaca gaagacatca aagactggga agatagattt 601
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gagtcaccag ttgcagagaa atcagcaagc acctag

```

FIGURE 4

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FP Receptor Variant VAR-5

```
atgtccatga acaattccaa acagctagtg tctcctgcag ctgcgcttct ttcaaacaca 61
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atcttgtaa acagccttgc catcgccatt ctcatgaagg catatcagag atttagacag 181
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tttgaccaat caaatgtcct ttgcagtatt tttggatatct gcatgggtgtt ttctgggtctg 361
tgcccacttc ttctaggcag tgtgatggcc attgagcggg gtattggagt cacaaaacca 421
atatttcatt ctacgaaaat tacatccaaa catgtgaaaa tgatgttaag tgggtgtgtgc 481
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gcgtcgagga cctgggtgtt ctacaacaca gaagacatca aagactggga agatagattt 601
tatcttctac ttttttcttt tctggggctc ttagcccttg gtgtttcatt gttgtgcaat 661
gcaatcacag gaattacact ttttaagagt aaatttaaaa gtcagcagca cagacaaggc 721
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tgttggagcc catttctgcg aTAAgacact caacgagaaa tgacagaaaa acaagggtgtg 841
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aatctctata agcttgccag tcaatgctgt ggagtgcatt tcatcagctt acatatttgg 1141
gagcttagtt ccattaaaaa ttccttaaa gttgctgcta tttctgagtc accagttgca 1221
gagaaatcag caagcaccta g
```

FIGURE 5

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FP Receptor Variant VAR-6

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atgtccatga acaattccaa acagctagtg tctcctgcag ctgcgcttct ttcaaacaca 61
acctgccaga cggaaaaccg gctttccgta tttttttcag taatcttcat gacagtggga 121
atcttgtcaa acagccttgc catcgccatt ctcatgaagg catatcagag atttagacag 181
aagtccaagg catcgtttct gcttttggcc agcggcctgg taatcactga tttctttggc 241
catctcatca atggagccat agcagtattt gtatatgctt ctgataaaga atggatccgc 301
tttgaccaat caaatgtcct ttgcagtatt tttggtatct gcatgggtgt ttctggtctg 361
tgcccacttc ttctaggcag tgtgatggcc attgagcggg gtattggagt cacaaaacca 421
atatttcatt ctacgaaaat tacatccaaa catgtgaaaa tgatgttaag tgggtgtgtgc 481
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gcgtcgagga cctgggtgtt ctacaacaca gaagacatca aagactggga agatagattt 601
tatcttctac ttttttcttt tctggggctc ttagcccttg gtgtttcatt gttgtgcaat 661
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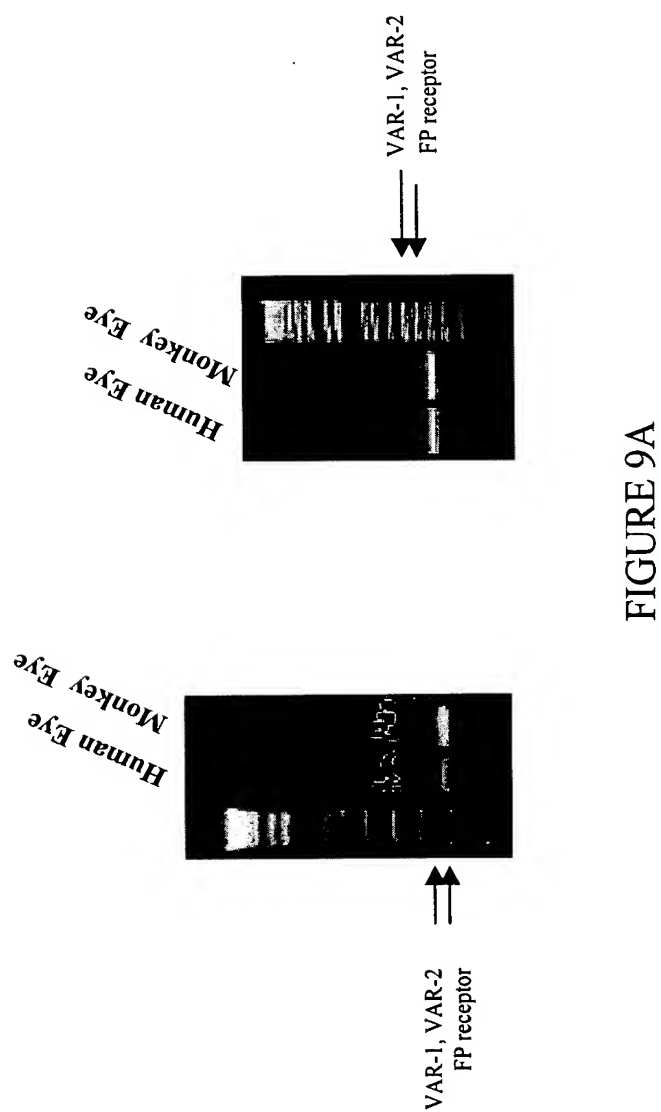
FIGURE 6

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FP WT	MSMNNSKQLV	SPAAALLSNT	TCQTENRLSV	FFSVIFMTVG	ILSNLAIAI	LMKAYQRFQ	KSKASFLLLA
VAR-1	MSMNNSKQLV	SPAAALLSNT	TCQTENRLSV	FFSVIFMTVG	ILSNLAIAI	LMKAYQRFQ	KSKASFLLLA
VAR-2	MSMNNSKQLV	SPAAALLSNT	TCQTENRLSV	FFSVIFMTVG	ILSNLAIAI	LMKAYQRFQ	KSKASFLLLA
VAR-3	MSMNNSKQLV	SPAAALLSNT	TCQTENRLSV	FFSVIFMTVG	ILSNLAIAI	LMKAYQRFQ	KSKASFLLLA
VAR-4	MSMNNSKQLV	SPAAALLSNT	TCQTENRLSV	FFSVIFMTVG	ILSNLAIAI	LMKAYQRFQ	KSKASFLLLA
VAR-5	MSMNNSKQLV	SPAAALLSNT	TCQTENRLSV	FFSVIFMTVG	ILSNLAIAI	LMKAYQRFQ	KSKASFLLLA
VAR-6	MSMNNSKQLV	SPAAALLSNT	TCQTENRLSV	FFSVIFMTVG	ILSNLAIAI	LMKAYQRFQ	KSKASFLLLA
SGLVITDFFG	HLINGAIAVF	VYASDKEWIR	FDQSNVLCSE	FGICMVFSGL	CPLLLGSVMA	IERCIGVTKP	
SGLVITDFFG	HLINGAIAVF	VYASDKEWIR	FDQSNVLCSE	FGICMVFSGL	CPLLLGSVMA	IERCIGVTKP	
SGLVITDFFG	HLINGAIAVF	VYASDKEWIR	FDQSNVLCSE	FGICMVFSGL	CPLLLGSVMA	IERCIGVTKP	
SGLVITDFFG	HLINGAIAVF	VYASDKEWIR	FDQSNVLCSE	FGICMVFSGL	CPLLLGSVMA	IERCIGVTKP	
SGLVITDFFG	HLINGAIAVF	VYASDKEWIR	FDQSNVLCSE	FGICMVFSGL	CPLLLGSVMA	IERCIGVTKP	
SGLVITDFFG	HLINGAIAVF	VYASDKEWIR	FDQSNVLCSE	FGICMVFSGL	CPLLLGSVMA	IERCIGVTKP	
SGLVITDFFG	HLINGAIAVF	VYASDKEWIR	FDQSNVLCSE	FGICMVFSGL	CPLLLGSVMA	IERCIGVTKP	
IFHSTKITSK	HVKMMLSGVC	LFAVFIALLP	ILGHRDYKIQ	ASRTWCFYNT	EDIKDWERF	YLLLFSLGL	
IFHSTKITSK	HVKMMLSGVC	LFAVFIALLP	ILGHRDYKIQ	ASRTWCFYNT	EDIKDWERF	YLLLFSLGL	
IFHSTKITSK	HVKMMLSGVC	LFAVFIALLP	ILGHRDYKIQ	ASRTWCFYNT	EDIKDWERF	YLLLFSLGL	
IFHSTKITSK	HVKMMLSGVC	LFAVFIALLP	ILGHRDYKIQ	ASRTWCFYNT	EDIKDWERF	YLLLFSLGL	
IFHSTKITSK	HVKMMLSGVC	LFAVFIALLP	ILGHRDYKIQ	ASRTWCFYNT	EDIKDWERF	YLLLFSLGL	
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IFHSTKITSK	HVKMMLSGVC	LFAVFIALLP	ILGHRDYKIQ	ASRTWCFYNT	EDIKDWERF	YLLLFSLGL	
LALGVSLLCN	AITGITLLRV	KFKSQHRQG	RSHHLEMVIQ	LLAIMCVSCI	CWSPFLVTMA	NIGINGNHSI	
LALGVSLLCN	AITGITLLRV	KFKSQHRQG	RSHHLEMVIQ	LLAIMCVSCI	CWSPFLGYRI	ILNGKEYKVV	
LALGVSLLCN	AITGITLLRV	KFKSQHRQG	RSHHLEMVIQ	LLAIMCVSCI	CWSPFLKIEG	KIKVT----	
LALGVSLLCN	AITGITLLRV	KFKSQHRQG	RSHHLEMVIQ	LLAIMCVSCI	CWSPFLGYRI	ILNGKEYKVV	
LALGVSLLCN	AITGITLLRV	KFKSQHRQG	RSHHLEMVIQ	LLAIMCVSCI	CWSPFLVKET	HLQMRLLWTWD	
LALGVSLLCN	AITGITLLRV	KFKSQHRQG	RSHHLEMVIQ	LLAIMCVSCI	CWSPFLR---	-----	
LALGVSLLCN	AITGITLLRV	KFKSQHRQG	RSHHLEMVIQ	LLAIMCVSCI	CWSPFLTHWG	KEIP-----	
ETCETTLFAL	RMATWNQILD	PWVYILLRKA	VLKNLYKLAS	QCCGVHVISL	HIWELSSIKN	SLKVAAISES	
YEEQSDFLHR	LQWPTLE---	-----	-----	-----	-----	-----	
-----	-----	-----	-----	-----	-----	-----	
YEEQSDFLHR	K-----	-----	-----	-----	-----	-----	
FRVNALEDYC	EGLTVF----	-----	-----	-----	-----	-----	
-----	-----	-----	-----	-----	-----	-----	
-----	-----	-----	-----	-----	-----	-----	
PVAEKSAST	-----	-----	-----	-----	-----	-----	
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-----	-----	-----	-----	-----	-----	-----	

FIGURE 7

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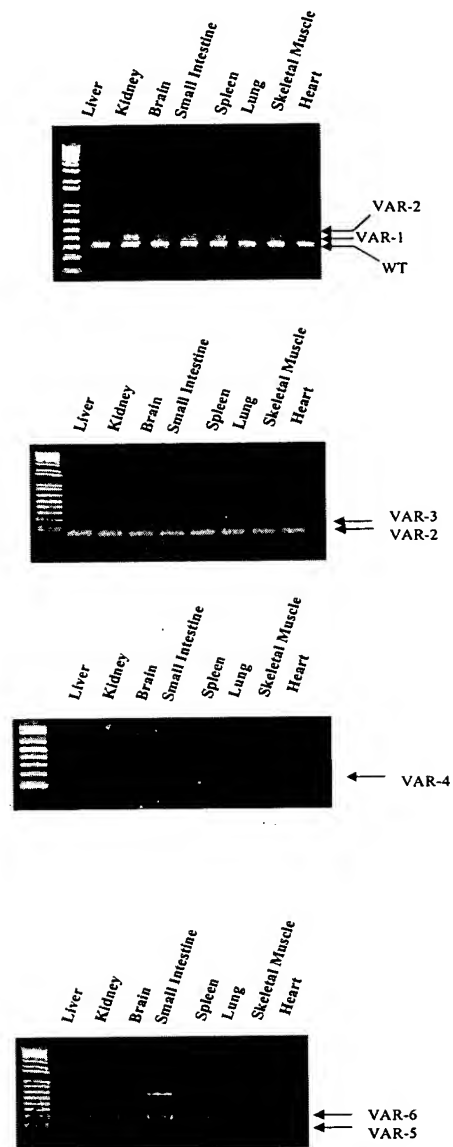


FIGURE 9B